ANNUAL REPORT

OF THE

Borough of Rotherham

FOR THE YEAR 1894.

BY

ALFRED ROBINSON, M.D.,

MEDICAL OFFICER OF HEALTH.

Mem. Roy. Coll. Surg., Eng.

Licent. San. Science.

Mem. Soc. Med. Off. of Health, &c.

ROTHERHAM:

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ANNUAL REPORT, 1894.

Mr. Mayor, Mr. Chairman, and Gentlemen,

My report for the year 1894 is, I consider, most satisfactory, the death rate being only 16·51 per 1000, against 18·70 for the previous year. This death rate is the lowest recorded since the Borough was incorporated over 20 years ago, and compares most favourably with that of any other town in the United Kingdom. It is below the average of the 30 large towns.

This diminished death rate I attribute to the abandonment of the Wellgate Water as a source of domestic supply. This water has not been in use during the year 1894 (so I am informed by the Borough Engineer), and as a result a very startling fact occurs, namely, that the number of deaths due to diarrhœa is 7 only, whereas during the previous year, when the water was used, the deaths amounted to 76. During the eight previous years, diarrhœa caused the following deaths, viz.:—

1892	22
1891	37
1890	40
1889	66
1888	21
1887	42
1886	41
1885	29

8)298(3.7

These figures speak for themselves, and, in conjunction with the results of chemical analyses, prove that the water should be permanently cut off as a source of domestic supply.

ZYMOTIC DISEASES.

The rate of mortality from the principal zymotic diseases has been at the rate of 2·08, against 3·23 per thousand during the previous year. This rather high rate is due to an outbreak of Scarlet Fever, 327 cases having been reported to the authority, with 25 deaths.

I consider it desirable, in order to check this complaint, that cases should be admitted into our Isolation Hospital, especially where there is no accommodation at home.

Every house has been visited where we knew of a case, the premises examined, and directions given to prevent the spread of the disease, disinfectants supplied, and printed directions distributed to check the epidemic.

In future, I would recommend the closing of a school where many cases occur, until a medical certificate is obtained to re-open it.

Influenza has caused no death directly during the year. During 1893, seven deaths were due to this cause. At the present time the town is practically free from the disease. There have been cases, but for the most part they have been of a mild type.

The number of births has amounted to 1514, against 1718 the previous year. Of these 696 were males, and 718 females. This yields a birth rate of 32 per 1000.

During the year, 1108 children have been vaccinated—Rotherham, 515; Kimberworth, 593; leaving 406 not accounted for.

The number of illegitimate births comes to 42—18 in Rotherham, and 24 in Kimberworth districts During 1893 the number was 63. This still gives a rate of one in every 36 children born in wedlock.

The deaths in children under five years is still abnormally high, and indicates the operation of local influences, for although illegitimacy is an important factor in the circumstance—the chances of neglect being necessarily greater—still, whatever share influences connected with social peculiarities may have, the large proportion of deaths occurring at the early period of childhood is in a great measure due to the unhealthy conditions existing in some parts of the district. If a child survives these early social perils, it has yet to undergo dangers which are much influenced by sanitary conditions, viz., infectious diseases, and small pox where vaccination is neglected.

WATER SUPPLY.

This continues unsatisfactory, both as regards quality and quantity.

The Wellgate Spring has been abandoned as a source of domestic supply, and this has proved satisfactory, as I have previously mentioned.

The delay in the treatment of the Dalton and Ulley sewage appears to be due to the inaction of the Local Government Board, who held enquiries 18 months ago, and have as yet given no decision on the schemes before them.

Recently, the town has been on an intermittent supply, which is dangerous in many ways, especially to a town like ours, the soil of which lies exposed to fouling by soakage of filth.

The amount of pulmonary phthisis in a district has a very important and direct bearing upon its hygienic condition, air contaminated with a large quantity of carbonic acid and other impurities, in a closely-packed population, and the saturation of soil with moisture being favourable to the development and spread of this disease, which caused 45 deaths during the year.

I am indebted to the Chairman of the Health Committee (Mr. Councillor F. Mason) for taking so much interest in, and giving so much time to, the details in the working of the department, his services being available day and night whenever required. My thanks are also due to the Borough Engineer (Mr. C. B. Newton), the Borough Surveyor (Mr. G. Jennings), and to the Sanitary Inspector (Mr. C. E. Parkin), for supplying me with much of the valuable information contained in this report.

During the coming year I hope to see the sewage scheme an accomplished fact, and the water supplied to the town above suspicion.

I am, Mr. Mayor and Gentlemen,

Your obedient servant,

ALFRED ROBINSON.

SANITARY INSPECTOR'S REPORT.

——:o:——

During the year the Inspectors have been fully engaged in the removal of nuisances, also under the Contagious Diseases of Animals Acts, the West Riding, including the Borough of Rotherham, being in June, 1894, declared an infected area, under the Swine Fever Orders of 1893-4, extra work was thrown upon the Department in the removal of swine, attending Markets, and also during the slight epidemic of Scarlet Fever in visiting and the disinfecting of houses and clothing. 557 special visits have been made to these premises, 295 to the Canal under the Canal Boats Act ; 320 to public slaughter-houses, and upwards of 4000 to other premises, including private slaughter-houses, lodging houses, and other properties.

The following Table shews the nature of the Nuisances discovered and dealt with :—

Houses cleansed and limewashed	6
House drains cleansed and relaid	130
House drains trapped and ventilated	20
Privies and water closets repaired	35
New water closets provided	5
Ashpits repaired, removed, or reconstructed	49
Surface drainage repaired or paved	10
Stagnant water or sewage removed	16
Houses without proper water supply	1
Houses unfit for habitation	4
Houses overcrowded	5
Manure pits and offensive accumulations	12
Fowls, pigeons, and rabbits kept in dwellings	2
Pigs so kept	10
Smoke nuisances	3
	308

Cleansing of Ashpits and Disposal of Refuse.

No. of Ashpits emptied		9865
No. of privies emptied		18987
No. of loads of soil, &c., removed from ashpits and privies	12171	
Loads of refuse collected	3198	
		15369

Disposal.

No. of Loads burned at the Destructor	9538	
,, ,, disposed of to Farmers	3747	
,, ,, tipped	2084	
		15369

Table C. 1894.

ROTHERHAM SANITARY DISTRICT.

Medical Officer of Health, ALF. ROBINSON, M.D., D.P.H.

Term of Appointment—Yearly.

Present Salary—£100.

Special Reports presented during 1894—None.

Sanitary Inspectors, C. E. PARKIN, senr. and junr.

Salary—£206. Assistant—£90.

RATEABLE VALUE (1894) for Poor Rate—£142770 19s. 8d.
,, ,, General District Rate—£142770 19s. 8d.

General District Rate 1894-5—2/6 in the Pound.

WATER SUPPLY—

Any extension or change during 1894? Wellgate abondoned.

Average daily consumption per head? 18 gallons.

Action on Lead? Nil.

SEWERAGE AND SEWAGE DISPOSAL—

Extension or Improvements during 1894? Under consideration.

SCAVENGING—

Are the privy middens, &c., cleansed by sanitary staff, by contractors, or by tenants? Sanitary staff.

Annual cost? £2400.

Is the present arrangement satisfactory? Yes.

BYE-LAWS, REGULATIONS AND ADOPTIVE ACTS—

Infectious Disease Notification Act, 1889—Date of Adoption 1889.
Infections Disease Prevention Act, 1890— ,, 1891.
Public Health Acts Amendment Act, 1890— ,, 1891.

Regulated Buildings, Trades, &c.	*Number*		*General Condition.*
	Registered	*Inspected*	
Common Lodging Houses	11	...	
Canal Boats	..	46	Not a Registration District
Slaughter Houses	32	...	Good with one or two exceptions
Bakehouses	9	...	
Daries Cowsheds Milkshops	66	...	
Offensive Trades (Please specify nature).	7	...	

BIRTHS —

(*a*) Number of each sex :—Male 796, Female 718.
(*b*) Number Illegitimate, 42.

DEATHS—

(*a*) Number of each sex :—Male 386, Female 390.
(*b*) Number Uncertified—not known.

DEATH RETURNS—

What correction (if any) is made for non-residents dying within the District ? Deducted.

Are any Returns obtained of deaths of residents occuring in public institutions (Workhouses, Hospitals, &c.) outside the District ? No.

HOSPITAL FOR INFECTIOUS DISEASES—

Number of Beds, 50.

Charges to patients, none.

Construction (Brick, Stone, Wood, Iron, Altered House or Cottage, &c., &c., Iron and Wood.

Additions or Alterations during 1894, none.

What Diseases are admitted ? Smallpox.

How many different diseases at one time ? One.

DISINFECTION

Apparatus (Steam? Hot-air?) Both.

SANITARY WORK—

Total number of Nuisances in hand at close of 1893—15, at close of 1894—11.

Reported during 1894—308.

Abated during 1894—312.

Total number of Summones or legal proceedings, none.

House drainage:—Number of Sinks disconnected during 1894—20, trapped 20.

CLOSETS. Approximate Number of each kind in District—

W.C., 1150.

Trough-C., 43.

Slop-C. (Waste-water, C.) 10.

Pail, Pan or Tub-C., 6.

What action has been taken in regard to the following matters?

Houses unfit for habitation, 4.

Seizure of Unsound Food, see Report.

Prosecutions, one.

Samples taken under the Sale of Food & Drugs Acts, 26.

Prosecutions, 3.

River Pollution, under consideration.

Smoke Abatement, 3 reported.

Workshops, Inspected.

BOROUGH OF ROTHERHAM.

Return of the number of cases of Infectious Disease reported to the Medical Officer of Health during the year 1894, and of the deaths from the diseases notified :—

	Cases notified in 1894.	Deaths registered in 1894
Small-pox	1	...
Scarlet Fever	327	25
Diphtheria	14	2
Membranous Croup	1	...
Typhus Fever	1	1
Enteric or Typhoid Fever	53	13

ALFRED ROBINSON, M.D.,

Medical Officer of Health.

Dated 30th April, 1895.

DESTRUCTOR.

Refuse destroyed during the year :—

Refuse from ashpits and privies	6432	
,, and vegetable matter collected	3106	
Screened ashes consumed by cremator	165	
Offal and other refuse brought by tradesmen	64	
	——	9767

Mattresses burned			162
Pillows	,,		50
Beds	,,		6
Carcases	,,	Beasts	12
		Sheep	33
		Calves	19
		Goats	1
		Pigs	57
		Dogs	48

Public Analyst's Laboratory,
67, Surrey Street, Sheffield.

REPORT ON A SAMPLE OF DRINKING WATER.

Received from the Rotherham Corporation on December 4th, 1894. Sample Mark, 76.

Physical Characters :

Suspended Matter, trace.

Appearance of a Column two feet long, clear, yellowish.

Taste, normal. | Odour, none.

On Analysis, the sample gave the following results :—

Total Solid Matter, 18·76 grains per gallon ; which lost on ignition, 3·64 grains.

Chlorine, 2·20 ; equal to Sodium Chloride, 3·62 grains.

Nitrogen in oxidised forms, trace ; equal to Nitric Acid

(anhydrous), trace grains.

Poisonous Metals (Lead, &c.), none.

Degrees of Hardness, 12·0 (Each degree of hardness represents a soap destroying power equivalent to one grain of chalk per gallon.)

Reducing power, 0·72 parts per gallon. (Representing the Oxygen absorbed by the organic and other oxidisable matters in one million parts of water.)

Free and Ureal Ammonia, 0·20 parts per million.

Albuminoid Ammonia, 0·08 parts per million.

These results show the water to contain suspiciously high amounts of chlorides and ammonia, suggesting contamination to a limited extent by drainage of some sort.

ALFRED H. ALLEN.

December 17th, 1894.

Tap in Corporation Yard.

Public Analyst's Laboratory,
67, Surrey Street, Sheffield.

REPORT ON A SAMPLE OF DRINKING WATER.

Received from the Corporation of the Borough of Rotherham, on February 7th, 1895. Sample Mark, 77.

Physical Characters:

Suspended Matter, none.

Appearance of a Column two feet long, clear and pale yellow.

Taste, normal. | Odour, none.

On Analysis, the sample gave the following results. :—

Total Solid Matter, 24·61 grains per gallon; which lost on Ignition, 1·12 grains.

Chlorine, 2·10 grains per gallon; equal to Sodium Chloride, 3·47 grains.

Nitrogen in oxidised forms, trace; equal to Nitric Acid (anhydrous), trace.

Poisonous Metal (Lead, &c.), none.

Degrees of Hardness, 16·0

[Each degree of hardness represents a soap-destroying power equivalent to one grain of chalk per gallon.]

Reducing Power, 1·20 parts per million.

[Representing the Oxygen absorbed by the organic and other oxidisable matters in one million parts of water.]

Free and Ureal Ammonia, 0·05 parts per million.

Albuminoid Ammonia...... 0·16 ,, ,,

These results are not wholly satisfactory. The figures recorded under the heads of "reducing power" and "albuminoid ammonia" point to the existence of traces of readily changeable organic matter. The origin of this is uncertain, but probably vegetable or the result of the infiltration of drainage from cultivated land.

ALFRED H. ALLEN.

February 23rd, 1895.

Pure Water Basin, ULLEY.

Public Analyst's Laboratory,
67, Surrey Street, Sheffield.

REPORT ON A SAMPLE OF DRINKING WATER.

Received from the Corporation of the Borough of Rotherham, on February 7th, 1895. Sample Mark :—No. 78.

Physical Characters:

Suspended Matter, none.

Appearance of a column two feet long, clear and colourless.

Taste, normal. | Odour, none.

On Analysis, the sample gave the following results :—

Total Solid Matter, 19·63 grains per gallon ; which lost on Ignition, 0·03 grains.

Chlorine, 1·90 grains per gallon ; equal to Sodium Chloride, 3·13 grains.

Nitrogen in oxidised forms, trace ; equal to Nitric Acid (anhydrous), trace grains.

Poisonous Metals (Lead, &c.) grains per gallon, none.

Degrees of Hardness, 9·6. (Each degree of hardness represents a soap-destroying power equivalent to one grain of chalk per gallon.)

Reducing Power, 0·26. (Representing the Oxygen absorbed by the organic and other oxidisable matters in one million parts of water.)

Free and Ureal Ammonia, 0·04 parts per million.

Albuminoid Ammonia, 0·08 parts per million.

These results show the water to be fairly free from readily changeable organic matter. The proportion of chlorine is somewhat in excess of that usually found in this district in waters of unexceptionable origin, but in the absence of notable quantities of oxidised compounds of nitrogen I am not disposed to lay much stress on this point.

ALFRED H. ALLEN.

February 23rd, 1895.

Pure Water Basin, Dalton.

Public Analyst's Laboratory,
67, Surrey Street, Sheffield.

REPORT ON A SAMPLE OF DRINKING WATER.

Received from the Corporation of the Borough of Rotherham, on February 7th, 1895. Sample Mark, No. 79.

Physical Characters:

Suspended Matter, none.

Appearance of a Column two feet long, clear and colourless.

Taste, normal. | Odour, none.

On Analysis, the sample gave the following results :—

Total Solid Matter, 26·43 grains per gallon; which lost on Ignition, — grains.

Chlorine, 2·20 grains per gallon; equal to Sodium Chloride, 3·62 grains.

Nitrogen in oxidised forms, trace; equal to Nitric Acid (anhydrous), trace.

Poisonous Metals (lead, &c.), none.

Degrees of Hardness, 18.

[Each degree of hardness represents a soap-destroying power equivalent to one grain of chalk per gallon.]

Reducing Power, 0·06 parts per million.

[Representing the Oxygen absorbed by the organic and other oxidisable matters in one million parts of water.]

Free and Ureal Ammonia, 0·06 parts per million.

Albuminoid Ammonia, 0·12 parts per million.

These results show the sample to be fairly free from traces of readily changeable organic matter. The hardness is high, but not in excess of that of the water supplied to several large centres of population.

ALFRED H. ALLEN.

February 23rd, 1895.

Aldwarke Spring.

Table I.— Population, Inhabited Houses, Births, and Deaths. (Gross Numbers.)

	No. of Inhabited Houses in the Borough.	Births.	Deaths.	Deaths in Workhouse and Rotherham Hospital.	Estimated Population.
1894	9006	1514	776	66	47,000
1893	8721	1718	870	71	46,000
1892	8400	1577	786	61	44,000
1891	8177	1656	972	102	43,000
1890	8177	1463	798	106	37,907
1889	7992	1421	834	91	36,182
1888	7865	1343	655	64	36,000
1887	7865	1340	732	97	35,892
1886	7807	1490	721	31	35,807
1885	7777	1285	649	30	35,712
Average of 10 years, 1885 to 1894.	8178	1477	779	71	

Table II.—Annual Rate of Mortality, Death Rate amongst Children, &c.

	Annual Rate of Mortality per 1000 living.	Per cent. of Deaths to total Births.	Deaths of Inf'ts under 1 year, per cent. to total Deaths.	Per cent'ge of Deaths of Infants to Registered Births.	Deaths of Children und'r5years per cent to total Deaths.	Per Centage of Deaths in Work-house and Rotherham Hospital.
1894	16·51	54·24	30·67	16·83	48·96	8·50
1893	18·70	50·29	34·37	17·28	51·27	6·13
1892	17·86	49·84	31·67	15·15	45·10	8·65
1891	24·93	58·69	30·87	18·12	44·41	10·49
1890	20·83	54·54	28·44	23·85	43·73	13·40
1889	22·65	57·98	36·09	29·69	50·71	9·77
1888	18·10	46·69	26·10	12·73	49·92	12·90
1887	20·23	54·55	28·55	15·58	39·07	4·29
1886	20·25	49·07	32·87	15·63	48·13	4·65
1885	18·26	50·50	32·35	16·34	49·30	5·56
Average of Ten years 1885to1895	19·83	52·63	31·19	18·12	47·06	8·43

K 2 11.—TABLE OF POPULATION, BIRTHS, AND OF NEW CASES OF INFECTIOUS (B) SICKNESS, coming to the knowledge of the Medical Officer of Health, during the year 1894, in the Urban Sanitary District of Rotherham ; classified according to Diseases, Ages, and Localities.

Names of Localities adopted for the purpose of these statistics; Public Institutions being shewn as separate localities.	Population at all ages.		Registered Births		New cases of sickness in each locality, coming to the knowledge of the Medical Officer of Health.								Number of such cases removed from their Homes in the several localities for treatment in Isolation Hospital.	
	Census 1891	Estim'd to middle of 1893			Smallpox	Scarlatina	Diphtheria	Membran's Croup.	Typhus Fever	Enteric or Typhoid	Cholera	Diarrhœa	Smallpox	Cholera
Borough	42,050	45,500	1718	Under 5	...	138	1	1	...	13	...	...		...
				5 upwds	1	188	11	...	1	38	...	...	1	
Public Institutions	...	...	...	Under 5	...	...	...	...	...	...	...	...	...	...
				5 upwds	...	1	2	...		2	...	...	...	...
Totals				Under 5	...	138	1	1	...	13	...	...	...	...
				5 upwds	1	189	13	...	1	40			1	

K 2 3.—TABLE OF DEATHS during the Year 1894, in the Urban Sanitary District of (A) Rotherham, classified according to Diseases, Ages, and Localities.

Names of Localities adopted for the purpose of these Statistics; Public Institutions being shown as separate localities.	Mortality from all causes, at subjoined Ages.							Mortality from subjoined causes, distinguishing Deaths of Children under 5 years of age																		
	At all Ages	Under 1 year	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upwards		Scarlatina	Diphtheria	Memb'nous Croup	Typhus	Enteric or Tyhoid Fever	PuerperalFever	Erysipelas	Measles	Whooping Co'h	Diarrhœa and Dysentary	Rheumatic Fev	Ague	Phthisis	Bronchitis, Pneumonia and Pleurisy	Heart Disease	Injuries	All other Diseases	Total
Borough	710	234	139	46	36	158	97	Under 5	20	..	..	1	3	..	1	15	33	6	..	..	4	112	5	4	169	373
								5 upwds	5	2	1	..	10	..	5	1	1	1	7	1	41	70	47	18	127	337
Workhouse	48	3	..	1	1	4	39	Under 5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	4
								5 upwds	..	..	..	..	1	1	2	..	..	..	..	..	..	3	1	..	36	44
Hospital	18	1	3	1	5	7	1	Under 5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	3
								5 upwds	..	..	..	..	..	..		..	..	..	1	1	1	..	1	8	3	15
Totals	776	238	142	48	42	169	137	Under 5	20	..	..	1	3	..	1	15	33	6	..	..	4	112	5	7	173	380
								5 upwds	5	2	1	..	11	1	7	1	1	1	8	2	42	73	49	26	166	396

The subjoined numbers have also to be taken into account in judging of the above records of mortality.

Deaths occuring within the district among persons not belonging thereto.	23	..	..	..	3	10	10	Under 5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
								5 upwds	..	..	1	..	..	..	1	..	..	..	..	..	1	5	2	1	12	23

Table IV.—FOOD AND DRUGS ACT.

No.	Nature of Samples.	Pure.	Adulterated.	Summonses issued.	Convictions.	Penalties and Costs.
						£ s d
8	BUTTER.........	6	2	2	2	6 0 2
18	MILK	17	1	1	1	1 19 0
26		23	3	3	3	7 19 2

CANAL BOATS.

Two hundred and ninety-five special visits have been made to the Canal during the past year, and 46 Canal Boats inspected, the whole of which were found to be in good condition, free from over-crowding, and with the necessary partitions as required by the Act where cabins are used by the opposite sexes.

Table V.

Provisions Seized and Destroyed during the year as compared with the preceding year.

Provisions.	No.		Lbs.		Sum'nses issued.		Convicts		Penalties and Costs.	
	1894	1893	1894	1893	1894	1893	1894	1893	1894	1893
Lambs	5	1	138	20						
Sheep	31	25	1535	1081						
Pigs	6	2	397	182						
Calves	16	12	760	790						
Beasts ..	14	10	5651	4312	1		1		12 13 6	
Beasts Heads	11	9								
,, Livers	31	29								
,, Hearts	20	9								
Sheep Heads	20	22								
,, Plucks	20									
Basket of Mushrooms		32								
Pieces Meat				182						
Fowls		10								
Halibut......				196						
Calves Heads	12	26								
	186	187	8481	6763	1		1		12 13 6	

TABLE VI.

DEATHS Registered at several Groups of Ages from different Causes, during the Year 1894.

CAUSE of DEATH.	All Ages	Over 60 Years	25 to 60 Years	15 to 25 Years.	5 to 15 Years	1 to 5 Years	(Infants) und'r 1 yr
ALL CAUSES ...	776	137	169	42	48	142	238
1. ZYMOTIC.							
Order 1							
Small Pox							
Measles	16				1	10	5
Scarlet Fever	25			1	4	19	1
Whooping Cough ...	34				1	18	15
Diarrhœa	7	1				2	4
Fever—Typhus... ...	1		1				
Fever—Enteric ...	13		3	2	5	2	1
Diphtheria...	2			1	1		
Erysipelas	6		5				1
Croup	1					1	
Ague	1		1				
Remittent Fever ...	7						
Rheumatism	7	1	2		4		
Order 2							
Syphilis	1						1
Pyæmia	1					1	
Order 3							
Alcoholism :							
b Intemperance	1	1					
2. Constitutional.							
Order 1							
Gout	1	1					
Dropsy	4	2	2				
Cancer...	25	8	17				
Grangrene	2		2				
Order 2							
Tabes Mesenterica ...	12		1	2	1	3	5
Phthisis	45	1	17	18	5	3	1
Hydrocephalus... ...	2					1	1
3. LOCAL							
Order 1							
Cephalitis and Meningitis	16		1	4	3	6	2
Apoplexy	19	12	7				
Paralysis	10	6	3			1	
Epilepsy	4		4				
Convulsions	57		1			11	45
Brain Disease, &c ..	3	1	2				
Spinal Disease	3		1			1	1
Order 2							
Pericarditis	1	1					
Aneurism	1		1				
Heart Disease, &c ...	53	18	19	5	6	2	3
Order 3							
Laryngitis	1					1	
Bronchitis	84	18	12	1		16	37
Pleurisy	1	1					
Pneumonia...	97	14	17	2	5	28	31
Lung Disease, &c. ...	2	2					
Order 4							
Gastritis	3	1				1	1
Enteritis	12				1	2	9
Peritonitis	4		2	2			
Ascites...	1		1				
Obstruction of Bowels	2	2					
Hernia...	1		1				
Intussusception ...	1					1	
Hepatitis	3	1	2				
Liver Disease, &c. ..	2	1		1			1
Order 5							
Nephritis	7	3	1		2	1	
Ischuria	1						1
Bright's Disease ..	4	2	1			1	
Diabetes	3		3				
Calculus							
Cystitis	1	1					
Order 6							
Ovarian Dropsy ...	1		1				
Order 7							
Joint Disease, &c. ...	1			1			
Order 8							
Abscess	1						1
Skin Diseases	1						1
4. Developmental.							
Order 1							
Premature Birth ...	24						24
Other Malformations	1						1
Teething	16					3	13
Order 2							
Child Birth	19		19				
Order 3							
Old Age	36	35	1				
Order 4							
Atrophy and Debility	34					4	30
Idiocy	1		1				
5. Violent Deaths.							
Order 1 *(Accident or Negligence).*							
Fractures and Contusions							
Wounds	1	1					
Burns and Scalds ...	7		1		3	3	
Drowning							
Suffocation...							
Otherwise	14	2	6	1	4		1
Order 3 (*Suicide*).							
Drowning	4		3	1			
Order 4							
Sudden death (cause unascertained) ...	3		2		1		
Cause not specified or defined ...	8	1	5		1		1
	217	49	50	6	12	16	84

Table VII.—Shewing the Death Rate per 1000 for the five Classes of Diseases combined in Table IIIa for five years.

	1890	1891	1892	1893	1894
I. Zymotics (Principal)	3·17	3·51	1·97	2·86	2·08
II. Constitutional	2·84	3·88	1·27	2·28	1·93
III. Local	10·23	10·37	11·09	8·43	8·97
IV. Developmental	2·61	3·53	2·90	·69	2·78
V. Violent	0·89	0·67	0·75	0·87	0·78

TABLE VIII.

Shewing MORTALITY from certain classes of Diseases in the Several Wards, and PROPORTION TO POPULATION, and to 1000 Deaths, 1894.

	East Ward	South Ward	West Ward	North Ward	Masbrough Ward	Kimberworth Ward	Workhouse and Rotherham Hospital	TOTAL	Rate per 1000 Living	Proportion of Deaths to 1000 Deaths
1. Seven Principal Zymotic Diseases	13	9	7	17	15	9	1	71	1·51	91·49
2. Pulmonary Diseases ... ... (other than Phitisis)	54	26	20	36	32	17	5	190	4·04	244·85
3. Tubercular Diseases ..	19	4	5	7	12	4	2	53	1·12	68·29
4. Wasting Diseases of Infants .	15	1	8	7	15	5	1	52	1·10	67·01
5. Convulsive Diseases of Children	29	6	7	22	34	15	3	116	2·68	148·90

1.—Includes Small Pox, Measles, Scarlet Fever, Diphtheria, Whooping Cough, Fever, and Diarrhœa.

2.—Includes Phthisis, Scrofula, Rickets, and Tabes.

4.—Includes Marasmus, Atrophy, Debility, Want of Breast Milk, and Premature Birth.

5.—Includes Hydrocephalus, Infantile Meningitis, Convulsions, and Teething.

TABLE IX.

Shewing the Number of Deaths and Rate per 1000 living, in the ten years 1885 to 1894, from the principal Zymotic Diseases, and the number in each Ward in 1894 ; also those from Phthisis.

	1894.																				
	East Ward.	South Ward.	West Ward.	North Ward.	Masbrough Ward.	Kimberworth Ward.	Workhouse & R'ham H'spital	Total.	Proportion of Deaths to 1000 Deaths.	1893	1892	1891	1890	1889	1888	1887	1886	1885	Annual Average of Ten Years.	Proportion of Deaths to 1000 Deaths in Ten yrs., 1885-1894.
Small Pox...... ...	...	...	...	...	..	.	...	...		2	1	..	...	...	3	16	...	...	2	2 57
Fever..................	1	1	1	5	4	2	1	15	19·25	9	7	25	8	8	8	13	32	9	14	18·04
Diarrhœa	2	3	4	2	1	1	...	13	16·68	17	20	39	41	42	19	42	41	29	22	28·24
Scarlet Fever	3	4	1	5	7	2	...	22	28·24	3	8	19	35	24	12	2	3	38	20	25·77
Measles	1	1	...	...	1	...	...	3	3·85	35	6	55	19	32	4	27	26	3	11	14·17
Diphtheria	...	...	...	..	1	1	...	3	3·85	2	2	2	6	2	1	27	26	1	2	2·57
Whooping Cough..	6	...	1	5	1	2	.	15	19·25	5	37	13	12	10	31	2	21	13	15	19·32
Total	13	9	7	17	15	9	1	71		133	81	153	121	118	78	102	149	93	96	
Death Rate per 1000 living......	...	...	...	...	...	.	...	2·08		...	...	...	...	...	...	...	...	...	...	
Phthisis	18	4	14	7	11	3	3	50	64·43	...	. .	...	..	...	...	...	...	...	...	
Death Rate per 1000 living......	...	...	...	...	...	...	...	...		...	...	...	...	...	...	...	...	...	..	

TABLE X.

Shewing the NUMBER OF DEATHS in the Several Wards and Public Institutions, from Zymotic Diseases and All Causes; also Births each Month in 1894, compared with those of the previous Year 1893.

	ZYMOTIC DISEASES.									ALL CAUSES.										
	East Ward.	South Ward.	West Ward.	North Ward.	Masbrough Ward.	Kimberworth Ward.	W'rkhouse & R'hamHosp'l	Totl 1894	Totl 1893	East Ward.	South Ward.	West Ward.	North Ward.	Masbrough Ward.	Kimberworth Ward.	W'rkhouse & R'hamHosp'l	Deaths. 1894	Deaths. 1893	Births. 1894	Births. 1893
January...	...	2	2	...	1	2	...	7	10	15	6	6	10	18	9	12	76	72	138	153
February,...	...	...		...	...	1		1	3	8	1	7	3	15	5	7	46	66	108	121
March ..	...	2	...		..	...	...	2	9	18	10	5	5	7	6	7	58	75	130	142
April	2	...	...	3	...	3		8	17	18	4	3	12	11	10	7	65	77	121	157
May	...	1		...	2	1	...	4	8	22	6	5	6	14	4	3	60	50	135	127
June	3	...	1	2	1	2	1	10	15	25	4	8	11	14	7	4	73	96	130	158
July	3	...	1	1	4	...	...	9	33	14	5	3	10	17	4	7	60	107	95	140
August ...	1	2	...	5	1	...		9	20	24	12	8	12	10	2	2	70	75	135	131
September..	1	...	1	1	1		...	4	13	9	5	7	7	10	7	10	55	77	112	197
October ..	2	2	1	3	1	...		9	2	13	8	10	21	9	8	5	74	49	116	107
November...	1	...	1	...	3	...	...	5	3	19	9	7	17	16	3	7	78	63	179	146
December ..	..	1	...	2	...	...	...	3	2	12	9	9	5	13	9	4	61	63	115	139
Total...	13	10	7	17	14	9	1	71	135	197	79	78	119	154	74	75	776	870	1414	1718

HEALTH REPORTS.

NEW BUILDINGS.

During the year 87 plans of new buildings have been submitted to the Committee for their approval. These plans comprised 273 Dwelling-houses, 12 Shops, 2 Chapels, 6 Workshops, Stable Premises, 8 Alterations and Additions to existing premises, and the Re-building of 2 Public Houses.

Plans for 4 new Streets to be laid out were submitted and approved.

NEW HOUSES, &c., ERECTED DURING THE YEAR.

During the year 234 Dwelling-houses have been erected and certified. Classified into the Wards they are as follows : East Ward, 64 ; South Ward, 17 ; West Ward, 18 ; North Ward, 94 ; Masbro' Ward, 28 ; Kimberworth Ward, 13 ; also the erection of new Board School and new Chapel and Schools, with Improvements to existing premises.

Estimated Population of the Borough to the end of December being 46,675.

Two new Streets have been completed and dedicated to the public, several others being in progress.

GEO. JENNINGS,
Borough Surveyor.

Table XI.—METEOROLOGICAL TABLE.

Months	RAINFALL.						THERMOMETER.						BAROMETER.			
	1894			1893			1894			1893			1894		1893	
	Days of	Total	Greatest	Days of	Total	Greatest	Mean.	Highest	Lowest	Mean.	Highest	Lowest	Highest	Lowest	Highest	Lowest
Jan...	15	1·329	·305	7	1·169	0·248	37·82	60·0	0·0	36·27	66·0	12·0	30·48	29·23	30·34	29·28
Feb..	13	2·523	·546	14	2·459	0·631	39·66	78·0	10·0	41·32	63·0	21·0	30·38	29·20	30·20	28·72
Mar..	7	0·698	·290	6	·340	0·116	45·03	90·0	37·0	47·12	82·0	18·0	30·35	28·88	30·30	29·30
April	14	1·994	·428	3	·304	0·240	49·63	82·0	22·0	54·51	93·0	22·0	30·13	29·34	30·42	29·76
May	14	1·269	·258	7	2·474	1·219	49·16	82·0	22·0	55·45	91·0	26·0	30·30	29·17	30·36	29·46
June	6	1·035	·358	5	1·004	0·546	56·60	93·0	33·0	60·45	91·0	28·0	30·38	29·55	30·31	29·20
July	14	2·651	·710	15	2·618	0·443	61·48	89·0	36·0	61·96	94·0	34·0	30·28	29·25	30·15	29·44
Aug..	10	1·851	·720	11	1·611	0·532	57·32	82·0	38·0	65·79	99·0	32·0	30·13	29·36	30·23	29·42
Sept	3	·416	·196	11	·966	0·154	55·70	88·0	30·0	56·73	96·0	29·0	30·36	29·72	30·25	29·10
Oct ..	14	2·902	·968	18	1·405	0·445	48·08	80·0	14·0	49·72	78·0	20·0	30·40	29·10	30·30	28·99
Nov..	7	1·064	·408	11	1·137	0·234	44·23	75·0	22·0	40·15	66·0	16·0	30·31	28·92	30·30	28·89
Dec ..	10	·924	·204	14	3·340	0·990	38·64	54·0	23 0	39·27	70·0	12·0	30·46	28·96	30·58	28·90